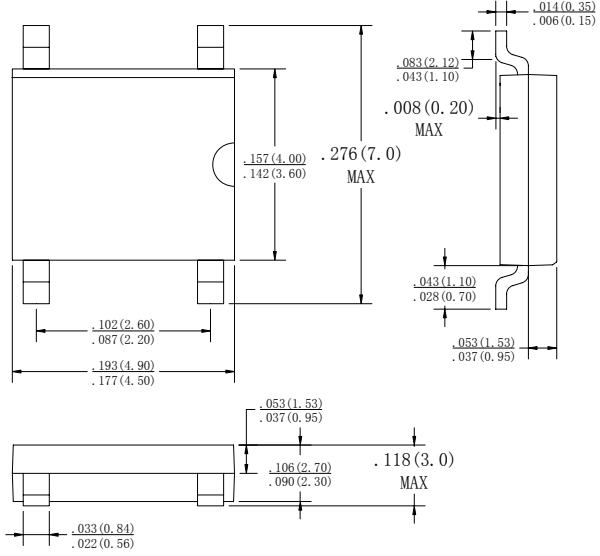


Single Phase 0.8 AMPS. Glass Passivated Bridge Rectifiers	Voltage Range 200 to 1000 Volts Current 0.8 Amperes
<p>Features</p> <ul style="list-style-type: none"> • Ideal for printed circuit board • Reliable low cost construction technique results in inexpensive product • High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension <p>Mechanical Data</p> <ul style="list-style-type: none"> • Case: Molded plastic • Lead: solder plated • Polarity: As marked 	<p>MBS</p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number		MB2S	MB4S	MB6S	MB8S	MB10S	UNITS
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	140	280	420	560	700	V
Maximum DC blocking Voltage	V _{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	I(AV)				0.5 0.8		A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}				35		A
Maximum Instantaneous Forward Voltage @ 0.4A	V _F				1.0		V
Maximum DC Reverse Current @ T _A =25°C rated DC blocking voltage per leg T _A = 125°C	I _R				5.0 500		μ A
Typical Thermal Resistance (Note1) (Note2)	R θ _{JA} R θ _{JL}				70 20		°C/W
Operating Temperature Range	T _J				-55 to +150		°C
Storage Temperature Range	T _{STG}				-55 to +150		°C

NOTES: 1. On aluminum substrate P.C.B. with an area of 0.8×0.8"(20×20mm) mounted on 0.05×0.05"(1.3×1.3mm) solder pad.

2. On glass epoxy P.C.B. mounted on 0.05×0.05"(1.3×1.3mm) pads.

RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM NONO-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMELNT

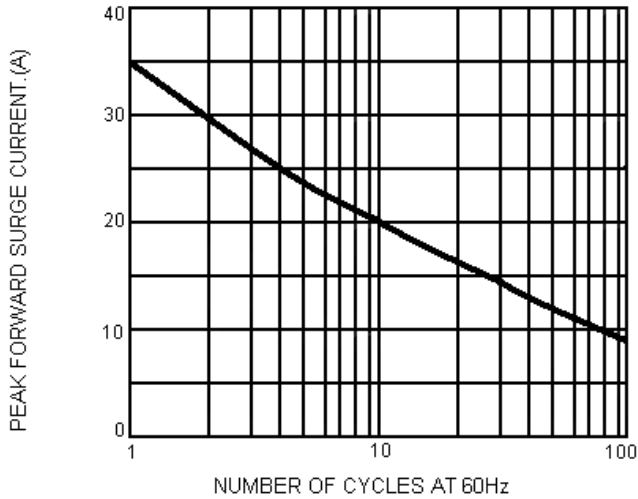


FIG.2-MAXIMUM FORWARD CURRENT DERATING CURVE

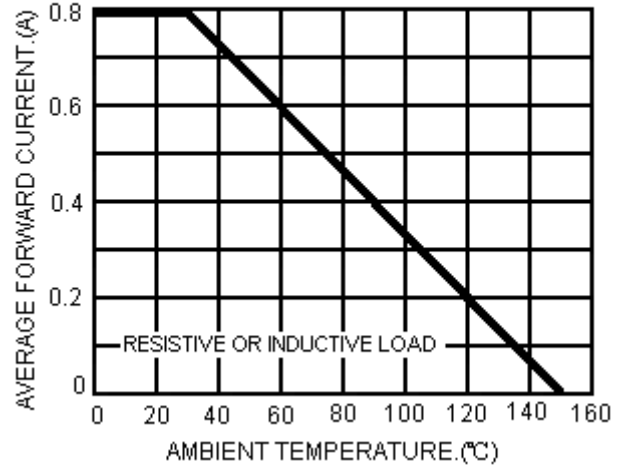


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

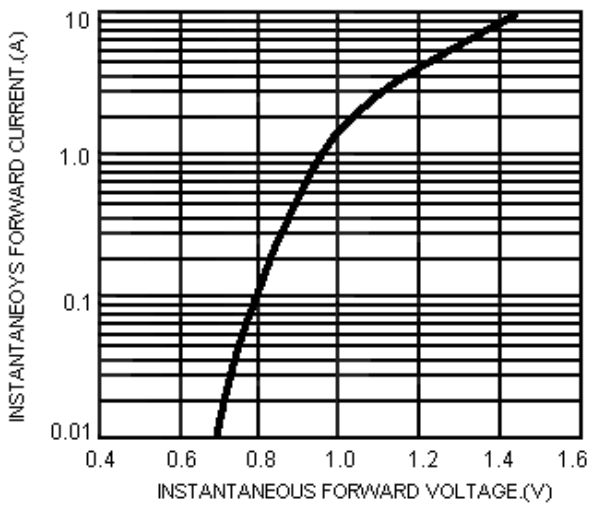


FIG.4-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

